

Turnkey Solution for Video Conferencing on Zoom, MS Teams, and Google Meet

Islamia College, Peshawar requires a Turnkey Solution for Video Conferencing on software like Zoom, MS Teams, Google Meet, etc. The following are base specifications for the main component of the solution, however, providers may quote additional accessories like connectors, wires, mounting brackets, etc. required for the turnkey solution.

1. TV Specifications

General Features:

Size: 65"

OS: Google TV/ Android 11 or higher

RAM/ROM: DDR4-2666: 3GB/ 16GB or higher

Power Consumption: 240W

Built-in Chromecast, Wireless Screen sharing

Google Playstore,

Certification: CB, Dolby Atmos, Dolby Vision, HDMI, DTS-HD, IMAX
, CTS (Google Official Certification),

Display

Display Type: LED

Display Resolution: 3840x2160

UHD Support: Yes

HDR: HDR10+, Dolby Vision IQ

HDR Support: Yes

High Color Gamut: $\geq 93\%$ DCI-P3 Coverage / Colour volume > 100%

Micro Dimming: Local dimming

Brightness (cd/m²): 500 (typ.)

Contrast Ratio: 6000:1 (typ.)

Response Time (G to G): 6.5 (typ.)

Colors: 1.07G (8 bit + FRC), Quantum Dots, Low reflection

Refresh Rate: 120;VRR~144H

Dynamic Contrast: Yes

Backlight Adjustable: 0-100

Connectivity

Internet Link: 2.4GHz/5GHz dual-band Wi-Fi 802.11 b/g/n/ax,
Ethernet Network (RJ45)

Bluetooth: 5.1

HDMI: 2 or more

HDMI&HDCP Version: HDMI1.4 & HDMI2.0&HDMI2.1, HDCP1.4 & HDCP2.2

HDMI Support: Yes

Cable Port: Yes

USB: 2 or more

A/V IN: Yes

Headphone: Yes

Audio

Speaker Type: Integrated Speaker Boxes (Bottom Side and Back Side)

Audio Power Output(THD=7%): 2x20W+20W

Dolby Atmos: On, Off

DTS: On, Off

Warranty: TV Parts: 2 Years (Panel, Parts, Or home service

2. Speakers Specification:

- Frequency Response (+/-3 dB) 95 Hz – 17 kHz
- Frequency Range (-10 dB) 80 Hz – 19 kHz
- Nominal Dispersion 170° H x 160° V
- Long-Term Power Handling 16 W (64 W peak)
- Sensitivity (SPL / 1 W @ 1 m) 84 dB SPL
- Maximum SPL @ 1 m 96 dB SPL (102 dB SPL peak)
- Nominal Impedance 8
- Wires 18 AWG (0.8 mm) to 14 AWG (2.0 mm)
- Mounting bracket
- Colour Black
- One Year Replacement Warranty

3. Camera Specification

- Multiple resolutions 1080p/30fps (up to 1920 x 1080 pixels)
720p/30fps (up to 1280 x 720 pixels)
- Camera megapixel: 3
- Focus type: Autofocus
- Lens type: Glass
- Built-in mic: stereo, dual Omni-directional
- Mic range: Up to 3 ft (1 m)
- The diagonal field of view (dFoV): 90°
- Digital zoom: 4x
- USB connectivity: USB-A plug-and-play
- Technology for clarity in various lighting environments, even low light
- Optional Camera Settings application for control of pan, tilt, and zoom.
- Attachable privacy shutter
- Tripod-ready universal mounting clip fits laptops, LCDs or monitors
- One Year Replacement Warranty

4. Conference MIC Specification

- Frequency Response: 90Hz – 16kHz
- Sensitivity: >-27 dB +/-1dB @ 1Pa
- Microphone data rate output: 48 kHz
- Pickup Range: 15 ft / 4.5m
- Beamforming Elements: Four omnidirectional microphones forming eight acoustic beams
- Audio processing: AEC (Acoustic Echo Cancellation), VAD (Voice Activity Detector)
- Noise suppression: AI filter
- Table disc shape mic
- One Year Replacement warrenty

5. Multimedia Projector Specifications

- Native Resolution: 1280x800
- Brightness: 4000 (ANSI Lumens)
- Contrast Ratio: 28,500:
- Display Color: 1.07 Billion Colors
- Light Source Type: Lamp
- Light Source Life (hours) with Normal Mode: 6000
- Light Source Life (hours) with SuperEco Mode: 20000
- Lamp Watt: 203W
- Lens: F=2.59-2.87, f=16.88-21.88mm
- Projection Offset: 120%+/-5%
- Throw Ratio: 1.21-1.57
- Optical Zoom: 1.3x
- Digital Zoom: 0.8x-2.0x
- Image Size: 30"-300"
- Throw Distance: 0.78m-10.14m, (100"@2.61m)
- Keystone: H:+/-40° , V:+/-40°
- Audible Noise (Normal): 32dB
- Audible Noise (Eco): 28dB
- Input Lag: 16ms
- Resolution Support: VGA(640 x 480) to FullHD (1920 x 1080)
- HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p
- Video Compatibility: NTSC, PAL, SECAM
- Horizontal Frequency: 15K-102KHz
- Vertical Scan Rate: 23-120Hz
- Input: Computer in (share with component): 1, Composite: 1, HDMI: 2 (HDMI 1.4/ HDCP 1.4), Audio-in (3.5mm): 1
- Output: Monitor out: 1, Audio out (3.5mm): 1, Speaker: 10W, USB Type A (Power): 1 (5V/1.5A)
- Projector Screen with Tripod 7.8x4.4 Feet
- One Year Replacement warrenty